

Converting Colors

CIELCh(70, 39.180, 107.203)

Have a look what the booklet for
CIELCh(70, 39.180, 107.203)
contains.

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Color

CIELCh(70, 38.903, 106.858)

Conversions

Conversions Part 1

Format	Color
Hex	AEAF66
RGB	174, 175, 102
RGB Percent	68%, 69%, 40%
CMY	0.3166, 0.3127, 0.5991
CMYK	0.01, 0.00, 0.42, 0.31
HSL	61°, 31%, 54%
HSV	61°, 42%, 69%
XYZ	35.3013, 40.7494, 18.6364
YIQ	166.3790, 22.8370, -22.9150

Conversions

Conversions Part 2

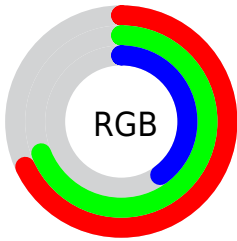
Format	Color
RYB	102, 175, 103
Decimal	11448166
CIELab	70.00, -11.28, 37.23
CIELCh	70, 38.903, 106.858
Yxy	40.7494, 0.3728, 0.4304
Android (android.graphics.Color)	4289638246 (0xFFAEAF66)
YUV	166.3790, -31.7388, 6.6836
Hunter-Lab	63.8353, -13.0001, 27.3752

Details

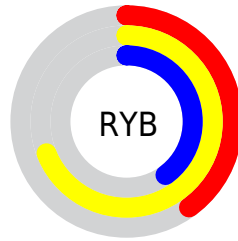
The CIELCh color **70, 38.903, 106.858** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **46, 43.309, 296.148**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 38.796, 106.388**, and **50, 38.955, 107.120** is the 20% darker color. If you saturate the color by 10%, you get **70, 47.532, 106.006**, and if you desaturate by 10%, it is **70, 29.852, 107.766**.

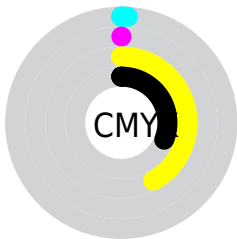
Distribution



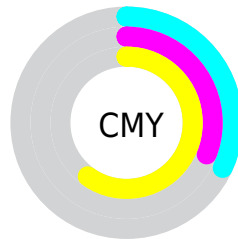
- Red (68%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (40%)



- Cyan (1%)
- Magenta (0%)
- Yellow (42%)
- Black (31%)





- Cyan (32%)
- Magenta (31%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 38.903, 106.858 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 70, 38.903, 106.858 by changing the saturation by 10% instead.

 70, 38.903,
106.858

 70, 38.903,
106.858


 100, 38.903,
106.858


 60, 38.903,
106.858


 90, 38.903,
106.858

 50, 38.903,
106.858

 40, 38.903,
106.858

 30, 38.903,
106.858

 20, 38.903,
106.858

 10, 38.903,
106.858

 0, 38.903, 106.858

70, 38.903,
106.858

70, 38.903,
106.858

70, 47.532,
106.006

70, 29.852,
107.766

70, 55.479,
105.234

71, 20.546,
108.696

69, 62.387,
104.584

71, 11.097,
109.631

69, 67.818,
104.098

71, 1.578, 110.530

69, 71.382,
103.812

72, 7.965, 291.479

69, 73.166,
103.697

73, 17.499,
292.356

73, 27.002,
293.201

74, 36.458,
294.008

■ 74, 43.199,
294.589

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70, 38.903, 106.858



46, 43.309, 296.148

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 38.903, 106.858



70, 38.903, 156.858



70, 38.903, 286.858



70, 38.903, 336.858

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70, 38.904, 106.861



90, 14.087, 109.580



51, 31.950, 23.492



48, 9.416, 109.462



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 38.904, 106.861



88, 56.844, 106.073



67, 41.932, 127.142



37, 5.342, 109.851



60, 65.389, 103.686



7, 11.348, 110.974

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46, 43.309, 296.148



53, 65.356, 297.859



50, 44.503, 311.134



33, 5.458, 291.642



17, 90.195, 306.339



1, 11.349, 290.617

Previews

White Background



This preview shows how the CIELCh color 70, 38.903, 106.858 looks on a white background.

Color Contrast Check

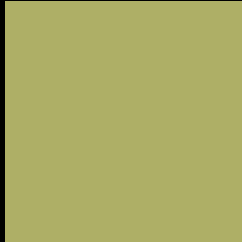
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 38.903, 106.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

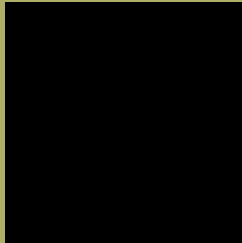
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 38.903, 106.858

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.903, 106.858.



This preview shows how white text looks on a background with the CIELCh color 70, 38.903, 106.858.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
70, 38.903, 106.858

Protanopia
70, 38.196, 95.886

Deuteranopia
70, 37.314, 75.913



Tritanopia
70, 9.591, 332.351

Trichromacy



Original Color
70, 38.903, 106.858

Protanomaly
70, 38.672, 100.502

Deuteranomaly
70, 36.298, 87.083

Tritanomaly
70, 10.746, 85.219

Monochromacy



Original Color
70, 38.903, 106.858

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 14.724, 108.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.903, 106.858 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 175, 102)` looks like.

```
.text, #text, p{  
    color:rgb(174, 175, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 175, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 175, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.903, 106.858 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 175, 102) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(174, 175, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(174, 175, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 175, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 175, 102);  
box-shadow:4px 4px 4px 4px rgb(174, 175,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.903, 106.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 175, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174,  
175, 102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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